

# Schiffli Machine Embroidery: 2002

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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
313222, Schiffli machine embroidery . . . . . 2002..	136	138	2 192	51 226	1 798	3 587	37 002	109 845	50 566	161 781	'2 779
2001..	N	N	1 881	46 694	1 660	3 188	34 480	183 397	194 313	379 387	6 237
2000..	N	N	1 846	48 266	1 598	3 275	35 004	149 923	160 995	310 937	8 100
1999..	N	N	2 120	54 643	1 760	3 673	38 997	171 731	161 845	334 287	4 282
1998..	N	N	3 767	76 953	3 084	6 214	53 493	152 557	72 369	229 501	3 963
1997..	235	237	3 849	76 659	3 232	6 499	54 434	163 155	73 030	236 002	5 297

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
313222, Schiffli machine embroidery												
United States .....	1	138	22	2 192	51 226	1 798	3 587	37 002	109 845	50 566	161 781	'2 779
California .....	—	16	4	471	11 190	411	805	8 448	22 421	6 738	29 249	'309
New Jersey .....	1	42	4	453	12 684	368	739	9 160	25 439	16 652	42 392	'774
New York .....	2	9	1	105	2 759	89	203	2 169	8 223	2 533	11 031	'116

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>313222, Schiffli machine embroidery</b>	
Companies <sup>1</sup> .....	number.. 136
All establishments <sup>2</sup> .....	number.. 138
Establishments with 1 to 19 employees .....	number.. 116
Establishments with 20 to 99 employees .....	number.. 17
Establishments with 100 employees or more .....	number.. 5
All employees <sup>3</sup> .....	number.. 2 192
Total compensation .....	\$1,000.. 59 007
Annual payroll .....	\$1,000.. 51 226
Total fringe benefits .....	\$1,000.. 7 781
Production workers, average for year .....	number.. 1 798
Production workers on March 12 .....	number.. 1 774
Production workers on May 12 .....	number.. 1 834
Production workers on August 12 .....	number.. 1 813
Production workers on November 12 .....	number.. 1 771
Production worker hours .....	1,000.. 3 587
Production worker wages .....	\$1,000.. 37 002
Total cost of materials .....	\$1,000.. 50 566
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 37 345
Resales .....	\$1,000.. 7 390
Purchased fuels .....	\$1,000.. 433
Purchased electricity .....	\$1,000.. 1 795
Contract work .....	\$1,000.. 3 603
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 24 851
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. -
Total value of shipments .....	\$1,000.. 161 781
Primary products value of shipments .....	\$1,000.. 124 714
Secondary products value of shipments .....	\$1,000.. 3 993
Total miscellaneous receipts .....	\$1,000.. 33 074
Value of resales .....	\$1,000.. 11 815
Contract receipts .....	\$1,000.. 21 259
Other miscellaneous receipts .....	\$1,000.. -
Primary products specialization ratio .....	percent.. 97
Value of primary products shipments made in all industries .....	\$1,000.. 138 399
Value of primary products shipments made in this industry .....	\$1,000.. 124 714
Value of primary products shipments made in other industries .....	\$1,000.. 13 685
Coverage ratio .....	percent.. 90
Value added .....	\$1,000.. 109 845
Total inventories, beginning of year .....	\$1,000.. 16 898
Finished goods inventories .....	\$1,000.. 9 405
Work-in-process inventories .....	\$1,000.. 1 824
Materials and supplies inventories .....	\$1,000.. 5 669
Total inventories, end of year .....	\$1,000.. 14 756
Finished goods inventories .....	\$1,000.. 7 501
Work-in-process inventories .....	\$1,000.. 2 358
Materials and supplies inventories .....	\$1,000.. 4 897
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. 75 952
Total capital expenditures (new and used) .....	\$1,000.. '2 779
Buildings and other structures (new and used) .....	\$1,000.. '189
Machinery and equipment (new and used) .....	\$1,000.. '2 590
Automobiles, trucks, etc., for highway use .....	\$1,000.. '381
Computers and peripheral data processing equipment .....	\$1,000.. '206
All other expenditures for machinery and equipment .....	\$1,000.. '2 003
Total retirements .....	\$1,000.. '1 940
Gross value of depreciable assets at end of year .....	\$1,000.. '76 791
Depreciation charges during year .....	\$1,000.. '3 433
Total rental payments .....	\$1,000.. 3 801
Buildings and other structures .....	\$1,000.. 2 303
Machinery and equipment .....	\$1,000.. 1 498
Total other expenses <sup>4</sup> .....	\$1,000.. 7 492
Response coverage ratio <sup>5</sup> .....	percent.. 71
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 1 544
Communications services <sup>4</sup> .....	\$1,000.. 459
Legal services <sup>4</sup> .....	\$1,000.. 70
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 159
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 271
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 103
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 129
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 181
Taxes and license fees <sup>4</sup> .....	\$1,000.. 628
All other expenses <sup>4</sup> .....	\$1,000.. 3 948

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
313222, Schiffli machine embroidery											
All establishments .....	1	138	2 192	51 226	1 798	3 587	37 002	109 845	50 566	161 781	'2 779
Establishments with—											
1 to 4 employees .....	9	85	206	4 865	126	238	2 845	8 932	5 748	15 008	D
5 to 9 employees .....	—	20	136	3 390	106	205	2 431	7 241	3 693	11 065	'330
10 to 19 employees .....	4	11	133	3 195	102	188	2 070	9 484	6 339	15 790	'245
20 to 49 employees .....	—	9	281	6 435	247	489	4 918	11 799	6 924	18 830	'433
50 to 99 employees .....	—	8	615	14 592	512	1 069	10 950	37 523	13 469	52 446	'972
100 to 249 employees .....	—	5	821	18 749	705	1 398	13 788	34 866	14 393	48 642	D
250 to 499 employees .....	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	7	84	233	5 490	150	284	3 333	10 405	5 106	15 504	'251

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
313222	Schiffli machine embroidery . . . . .	138	2 192	51 226	1 798	3 587	37 002	109 845	50 566	161 781	'2 779
3132220	Schiffli machine embroideries . . . . .	131	1 959	45 800	1 596	3 222	32 780	94 038	47 989	143 124	'2 260

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
313222	Schiffli machine embroidery .....	2002.. N 1997.. N	X X	X X	138 399 179 995
3132220	Schiffli machine embroideries .....	2002.. N 1997.. N	X X	X X	138 399 179 995
31322201	Schiffli machine embroideries .....	2002.. N 1997.. N	X X	X X	138 399 163 374
3132220100	Schiffli machine embroideries .....	2002.. 107 1997.. 113	X X	X X	138 399 163 374
3132220Y	Schiffli machine embroideries, nsk, total .....	2002.. N 1997.. N	X X	X X	— 16 621
3132220YWW	Schiffli machine embroideries, nsk, for nonadministrative-record establishments .....	2002.. — 1997.. N	X X	X X	— 10
3132220YWY	Schiffli machine embroideries, nsk, for administrative-record establishments .....	2002.. — 1997.. N	X X	X X	— 16 611

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
313222	Schiffli machine embroidery		
00900001	Total materials .....	X	37 345
	.....2002..	X	54 317
	.....1997..	X	
31321013	Polyester broadwoven fabrics (piece goods) .....	X	995
	.....2002..	X	3 647
	.....1997..	X	1 567
31321003	Cotton broadwoven fabrics (piece goods) .....	X	3 155
	.....2002..	X	
	.....1997..	X	
31322103	Narrow fabrics (12 inches or less in width) .....	X	D
	.....2002..	X	2 792
	.....1997..	X	7 412
31311003	Yarn, all fibers .....	X	8 667
	.....2002..	X	344
	.....1997..	X	1 101
31332001	Fabrics (plastics coated, impregnated, and laminated) .....	X	
	.....2002..	X	
	.....1997..	X	
31500002	Garments, purchased to be embroidered and resold .....	X	8 046
	.....2002..	X	N
	.....1997..	X	D
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....	X	1 335
	.....2002..	X	6 942
	.....1997..	X	19 990
00970099	All other materials and components, parts, containers, and supplies .....	X	9 033
	.....2002..	X	13 630
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.